

WHAT IS CLAIMED IS:

1. An illuminable electronic ice cube, comprising:
  - an outer casing having a natural ice cube shape with ripple-shaped sides;
  - an inner unit positioned within the outer casing, the inner unit comprising a base, a raised support, and a light cylinder, the raised support being positioned on the base and the light cylinder being positioned on the raised support to create a chamber therein, the chamber running through the base, raised support and light cylinder;
  - a LED positioned within the chamber;
  - a circuit board positioned within the chamber and underneath the LED;
  - a battery positioned within the chamber and underneath the circuit board; and
  - a bottom lid positioned at the bottom of the outer casing, the bottom lid further comprising a push button switch and a hole for receiving a battery cover lid.
2. The illuminable electronic cube of claim 1, wherein the battery cover lid has a round slice configuration having a front and a back, the front including a set of symmetrically placed locking teeth that have a cross-section that is an upsidedown L-shape and the back including an arc-shaped groove and wherein the hole in the bottom lid is a bore hole having a set of locking teeth corresponding to the locking teeth on the front of the battery cover lid.
3. The illuminable electronic cube of claim 1, wherein the bottom lid includes three symmetrical locking teeth and the battery cover lid includes three corresponding locking teeth.
4. An illuminable electronic ice cube, comprising:
  - an outer casing having an ice cube shape and including a bottom lid, the bottom lid carrying a push-button switch and defining an opening for receiving a battery cover, wherein the push-button switch is mounted on the lid at a position offset from said opening; and
  - an inner unit adapted for receiving a light source and a battery.
5. The illuminable electronic ice cube of claim 4, wherein said opening is adapted for removably receiving the battery cover.
6. The illuminable electronic ice cube of claim 4, wherein said opening is located in a center of the lid and the push-button switch is spaced-apart from said opening.
7. The illuminable electronic ice cube of claim 4, wherein the bottom lid includes a set of locking teeth and the battery cover includes a set of corresponding locking teeth.
8. The illuminable electronic ice cube of claim 4, wherein the locking teeth on the battery cover are L-shaped locking teeth.
9. The illuminable electronic ice cube of claim 4, wherein the bottom lid includes three symmetrical locking teeth and the battery cover lid includes three corresponding locking teeth.

10. The illuminable electronic ice cube of claim 4, wherein the bottom lid comprises a set of locking teeth adjacent said opening, and the battery cover comprises a front and a back, said front having a set of corresponding locking teeth and said back having an arc-shaped groove.
11. The illuminable electronic ice cube of claim 4, wherein the inner unit comprises a light housing in which the light source can be mounted.
12. The illuminable electronic ice cube of claim 4, wherein the light housing is faceted.
13. The illuminable electronic ice cube of claim 4, wherein the light housing is a faceted cylindrical housing.
14. The illuminable electronic ice cube of claim 4, wherein the light housing is a rhombus cylinder.
15. An illuminable electronic ice cube, comprising:
  - an outer casing having an ice cube shape and including a bottom lid; and
  - an inner unit adapted for carrying a light source and a battery, the inner unit comprising a light housing in which the light source can be mounted, the light housing being faceted.
16. The illuminable electronic ice cube of claim 15, wherein the light housing is a faceted cylindrical housing.
17. The illuminable electronic ice cube of claim 15, wherein the light housing is a rhombus cylinder.
18. The illuminable electronic ice cube of claim 15, wherein the bottom lid carries a push-button switch and defines an opening for receiving a battery cover, wherein the push-button switch is mounted on the lid at a position offset from said opening.
19. An illuminable electronic ice cube, comprising:
  - an outer casing having an ice cube shape and including a bottom lid, the bottom lid carrying a push-button switch and defining an opening for receiving a removable battery cover, wherein the bottom lid includes a set of locking teeth and the removable battery cover includes a set of corresponding locking teeth, and wherein the push-button switch is mounted on the lid at a position offset from said opening; and
  - an inner unit adapted for receiving a light source and a battery, the inner unit comprising a light housing in which the light source can be mounted, the light housing being faceted.
20. The illuminable electronic ice cube of claim 19, wherein the locking teeth on the battery cover are L-shaped locking teeth.